



WATER RESOURCES RESEARCH GRANT PROPOSAL

Project ID: 2003LA19B

Title: Economic Assessments of Best Management Practices and Environmental Policy Options for Attaining the Total Maximum Daily Load (TMDL) Goal in Louisiana's Major Milkshed

Project Type: Research

Focus Categories: Water Quality, Economics, Methods

Keywords: Dairy Waste Management, BMP, TMDL, Optimization, Policy Tools, Spatial Allocation.

Start Date: 03/01/2003

End Date: 02/29/2004

Federal Funds Requested: \$16170.00

Matching Funds: \$55663.00

Congressional District: 6

Principal Investigators: Paudel, Krishna P.; Gauthier, Wayne M.

Abstract: This proposal provides for a pilot economic assessment of costs and returns associated with satisfying a Total Maximum Daily Load (TMDL) goal that would enhance water quality in Louisiana's major milkshed. Assessments are made at both microeconomic and macroeconomic levels so as to quantify the economic effects upon both the individual dairy farmer and the general public. Economic assessments reflect the costs and returns associated with the use of varying combinations of Best Management Practices (BMPs) and policy instruments for attaining the TMDL goal in two segments of the Tangipahoa watershed. The overall objective is to preserve the positive economic benefits associated with maximizing milk production while enhancing the milkshed's water quality. Satisfaction of the global objective in this pilot proposal creates information and methodologies important to a later expansion of the analysis to include the entire southeastern Louisiana milkshed.

[U.S. Department of the Interior](#), [U.S. Geological Survey](#)

Maintain: Schefter@usgs.gov

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